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Naoki Endo* (nendo@purdue.edu), West Lafayette, IN 47907. *Weakly Arf rings.*

In this talk, we introduce weakly Arf rings, which is a generalization of Arf rings, defined by J. Lipman in 1971. We provide characterizations of weakly Arf rings and explore the relation between these rings, the Arf rings, and the strict closedness of rings. In addition, we give various examples of weakly Arf rings that come from idealizations, fiber products, determinantal rings, invariant subrings, and F -pure rings. This talk is based on the recent researches jointly with E. Celikbas, O. Celikbas, C. Ciupercă, S. Goto, R. Isobe, and N. Matsuoka. (Received July 31, 2020)